

Velodyne® LiDAR

Product Guide



Features	HDL-64	HDL-32	VLP-16
Channels	64	32	16
Range	100-120 m	80-100 m	100 m
Accuracy	+/- 2cm	+/- 2cm	+/- 3cm
Data	Distance / Intensity	Distance / Calibrated Reflectivities	Distance / Calibrated Reflectivities
Data Rate	1.3M pts/sec	700,000 pts/sec	300,000 pts/sec
Vertical FOV	26.8°	40°	30°
Vertical Resolution	~ 0.4°	~ 1.3°	~ 2.0°
Horizontal FOV	360°	360°	360°
Horizontal Resolution	5Hz: 0.08° 10Hz: 0.17° 20Hz: 0.35°	5Hz: 0.08° 10Hz: 0.17° 20Hz: 0.35°	5Hz: 0.1° 10Hz: 0.2° 20Hz: 0.4°
Input Voltage <small>(with interface box and regulated power supply)</small>	10-32 VDC	9-32 VDC	9-32 VDC
Power	60W	12W	8W
Environmental	IP67	IP67	IP67
Operating Temperature	-10° to 50° C	-10° to 60° C	-10° to 60° C
Size	203mm x 284mm (~8" x ~11")	86mm x 145mm (~3.6" x ~6")	104mm x 72mm (~4" x ~3")
Weight	15kg (33lbs)	1kg (2.2lbs)	0.83kg (1.8lbs)